



## BIO-INSTRUMENTATION TECHNOLOGY SPECIALIZATION

### *Electronics and Advanced Technologies*

Associate of Applied Science Degree				
<b>Semester I</b>				
+	MATH	1314	College Algebra	3
+	CETT	1403	DC Circuits	4
	ENGL	1301	English Composition I	3
	CPMT	1445	Computer Systems Maintenance	4
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				<b>14</b>
<b>Semester II</b>				
+	CETT	1405	AC Circuits	4
+	CETT	1425	Digital Fundamentals	4
	COSC	1315	Fundamentals of Programming	3
			Social/Behavioral Science Elective <sup>1</sup>	3
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				<b>14</b>
<b>Semester III</b>				
+	CETT	1429	Solid State Devices	4
+	CETT	1445	Microprocessor	4
+	PHYS	1401	General College Physics	4
			Oral Communication Elective <sup>1</sup>	3
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				<b>15</b>
<b>Semester IV</b>				
+	ELMT	2441	Electromechanical Systems	4
+	INTC	2471	Data Acquisition and Measurement	4
+	RBTC	1405	Robotics Fundamentals	4
			Humanities/Fine Arts Elective <sup>1</sup>	3
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				<b>15</b>
<b>Semester V</b>				
+	ELPT	2449	Industrial Automation	4
+	INTC	1491	Biomedical Instrumentation	4
+#	INTC	1491	Biotechnology Instrumentation	4
+	EECT	2188	Internship	1
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				<b>13</b>
<b>TOTAL CREDIT HRS.</b>				<b>71</b>

Certificate				
<b>Semester I</b>				
+	MATH	1314	College Algebra	3
+	CETT	1403	DC Circuits	4
+	CETT	1425	Digital Fundamentals	4
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				<b>11</b>
<b>Semester II</b>				
+	CETT	1405	AC Circuits	4
+	CETT	1429	Solid State Devices	4
+	CETT	1445	Microprocessor	4
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				<b>12</b>
<b>Semester III</b>				
+	ELMT	2441	Electromechanical Systems	4
+	INTC	1491	Biomedical Instrumentation	4
+#	INTC	1491	Biotechnology Instrumentation	4
+	RBTC	1405	Robotic Fundamentals	4
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				<b>16</b>
<b>TOTAL CREDIT HRS.</b>				<b>39</b>

+ Prerequisite: See Course Descriptions

# Capstone Course

<sup>1</sup>Select from the appropriate section of the General Education Course List